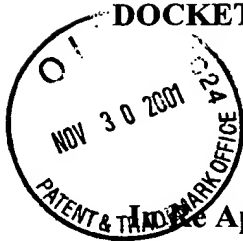


DOCKET NO.: MSFT-0586/167513.2

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PATENT 03-26-2001



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

Christopher B. Weare et al.

Serial No.: 09/942,509

Group Art Unit: 2857

Filing Date: August 29, 2001

Examiner: Not Yet Assigned

For: **SYSTEM AND METHODS FOR PROVIDING AUTOMATIC
CLASSIFICATION OF MEDIA ENTITIES ACCORDING TO MELODIC
MOVEMENT PROPERTIES**

DATE OF DEPOSIT: 11/26/01

I HEREBY CERTIFY THAT THIS PAPER IS BEING
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Thomas E. Watson

TYPED NAME: Thomas E. Watson
REGISTRATION NO.: 43,243

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 C.F.R. §1.56 and in accordance with 37 C.F.R. §§1.97-1.98, information relating to the above-identified application is hereby disclosed. Inclusion of information in this statement is not to be construed as an admission that this information is material as that term is defined in 37 C.F.R. §1.56(b).



In accordance with §1.97(b), since this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, within three months of the date of entry into the national stage of the above identified application as set forth in §1.491, before the mailing date of a first Office Action on the merits of the above-identified application, or before the mailing date of a first office action after the filing of request for continued examination under §1.114, no additional fee is required.

- ☐ In accordance with §1.129(a), this Information Disclosure Statement is being filed in connection with ☐the first or ☐second After Final Submission, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of **\$180.00** as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(c), this Information Disclosure Statement is being filed after the period set forth in §1.97(b) above but before the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311, or before an action that otherwise closes prosecution in the application, therefore:
- ☐ Certification in Accordance with §1.97(e) is attached; or
- ☐ The fee of **\$180.00** as set forth in §1.17(p) is attached.
- ☐ In accordance with §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under §1.113 or a Notice of Allowance under §1.311 but before, or simultaneously with, the payment of the Issue Fee, therefore included are: Certification in Accordance with §1.97(e); and the submission fee of **\$180.00** as set forth in §1.17(p).
- ☒ Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
- ☐ Copies of references listed on the attached Form PTO-1449 are enclosed herewith EXCEPT THAT:
- ☐ In view of the voluminous nature of references [list as appropriate], and the likelihood that these references are available to the Examiner, copies are not enclosed herewith.

- ☐ In accordance with §1.98(d), copies of the following references listed on the attached Form PTO-1449 are not enclosed herewith because they were previously cited by or submitted to the U.S. Patent and Trademark Office in patent application(s) for which a claim for priority under 35 U.S.C. §120 have been made in the instant application:
- ☐ Copies of references **[list as appropriate]** listed on the attached Form PTO-1449 were previously cited by or submitted to the Patent and Trademark Office in prior application Serial No. , filed .
- ☐ If any of the foregoing publications are not available to the Examiner, Applicant will endeavor to supply copies at the Examiner's request.

Please charge any deficiency or credit any overpayment to Deposit Account No. 23-3050.
This form is submitted in duplicate.

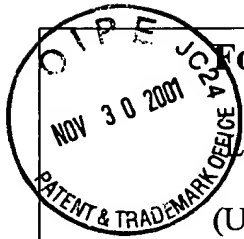
An English language abstract has been provided for any references which are not in the English language.

Date: 11/26/01



Thomas E. Watson
Registration No. 43,243

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**Form PTO-1449 Modified**

List of Patent and Publications
Cited by Applicant
(Use several sheets if necessary)

U.S. Department of Commerce
Patent and Trademark Office

Docket No.
MSFT-0586/167513.2

Serial No.
09/942,509

Applicant
Christopher B. Weare et al.

Filing Date
August 29, 2001

Group
2857

U. S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AA	5,918,223	06/29/99	Blum et al.	707	1

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation	
					YES	NO

EXAMINER**DATE CONSIDERED**



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. MSFT-0586/167513.2	Serial No. 09/942,509
		Applicant Christopher B. Weare et al.	
		Filing Date August 29, 2001	Group 2857
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AB	Chen, A.L.P. et al., "Query by music segments: an Efficient Approach for Song Retrieval," <i>Proceedings of International Conference on Multimedia and Expo.</i> , New York, NY, July 30-August 2, 2000, 2, 873-876	
	AC	Chen, J.C.C. et al., "Query by Rhythm: an Approach for Song Retrieval," <i>Proceedings Eighth International Workshop on Research Issues in Data Engineering. Continuous-Media Databases and Applications</i> , Orlando, Florida, February 23-24, 1998, 139-146	
	AD	Davies, S.C. et al., "An Adaptive Technique for Automated Recognition of Musical Tones," <i>Conference Record of the Thirtieth Asilomar Conference on Signals, Systems, and Computers</i> , Pacific Grove, California, November 3-6, 1996, 2, 1138-1141	
	AE	Francu, C. et al., "Distance Metrics and Indexing Strategies for a Digital Library of Popular Music," <i>Proceedings of International Conference on Multimedia and Expo.</i> , New York, NY, July 30-August 2, 2000, 2, 889-892	
	AF	Goldberg, I. et al., "The Ninja Jukebox," <i>2nd USENIX Symposium on Internet Technologies and Systems</i> , Boulder, Colorado, October 11-14, 1999, 37-46	
	AG	Hoffbeck, J.P., "A Method for Hiding Useful Information in Digital Audio Signals," <i>Computers in Education J.</i> , 2001, 11(1), 7-11	
	AH	Logan, B. et al., "Music Summarization Using Key Phrases," <i>Proceedings of 2000 International Conference on Acoustics, Speech and Signal Processing</i> , Istanbul, Turkey, June 5-9, 2000, 2, 749-752	
	AI	McNab, R.J. et al., "Towards the Digital Music Library: Tune Retrieval from Acoustic Input," <i>Proceedings of the 1st ACM International Conference on Digital Libraries</i> , Bethesda, Maryland, March, 1996, 11-18	
	AJ	McNab, R.J. et al., "Tune Retrieval in the Multimedia Library," <i>Multimedia Tools and Applications</i> , 2000, 10(2-3), 113-132	
	AK	McNab, R.J. et al., "The New Zealand Digital Library MELody inDEX," <i>D-Lib Magazine</i> , 1997, http://www.dlib.org/dlib/may97/meldex/05witten.html , 8 pages	
	AL	Ozimek, E. et al., "Thresholds of Perception of Irregular Signal Frequency Changes," <i>Archives of Acoustics</i> , 1985, 10(2), 123-141	
EXAMINER		DATE CONSIDERED	



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		Filing Date August 29, 2001	Group 2857
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AM	Rabson, G. et al., "The National Tune Index: a Systems Overview," <i>Computers and the Humanities</i> , 1981 , 15(3), 129-137	
	AN	Schludermann, B., "Quantity versus quality. II. Setting up a database for a quantitative analysis of German/Dutch language mixtures in late medieval song MSs," <i>Proceedings of the 5th International Conference and Exhibition on Multi-Lingual Computing</i> , Cambridge, UK, April 11-13, 1996 , 7/6/1-11	
	AO	Sonoda, T. et al., "A WWW-based Melody Retrieval System," <i>1998 International Computer Music Conference</i> , October, 1988 , 349-352	
	AP	Spyridis, H. et al., "Fourier Analysis and Information Theory on a Musical Composition," <i>Acustica</i> , 1983 , 52(4), 255-262	
	AQ	Tang, M. et al., "Selection of Melody Lines for Music Databases," <i>Proceedings 24th Annual International Computer Software and Applications Conference</i> , Taipei, Taiwan, October 25-27, 2000 , 243-248	
	AR	Umemoto, T. et al., "Construction of Transcription System and Comparison of Peak Extraction Methods," <i>Trans. Of the Soc. Of Instrument and Control Engineers</i> , 1993 , 29(10), 1227-1231 (English language abstract included)	
	AS	Yang, C.Y. et al., "Korean Folk Song Retrieval Using Rhythm Pattern Classification," <i>Proceedings of Fifth International Symposium on Signal Processing and its Applications</i> , Brisbane, Australia, August 22-25, 1999 , 1, 123-126	
EXAMINER		DATE CONSIDERED	